

**PREPARATION OF HOT MIX ASPHALT SPECIMENS  
BY MEANS OF THE  
SUPERPAVE GYRATORY COMPACTOR  
AASHTO T 312**

**APPARATUS**

- ☐ Superpave Gyratory Compactor
- ☐ Molds
  - ☐ Inside diameter of molds 149.90 to 150.00 mm
  - ☐ At least 250 mm high
  - ☐ Walls at least 7.5 mm thick
  - ☐ Base plate face has a diameter of 149.50 to 149.75 mm
- ☐ Oven themostatically controlled to  $\pm 5^{\circ}\text{F}$

**PROCEDURE**

- ☐ Mixture is within the same compaction temperature range as designated in the mix design
- ☐ If heating of the mixture is required to achieve the compaction temperature, the mixture is placed in a covered container
- ☐ Mold and base plate heated for 30 to 60 minutes at required compaction temperature
- ☐ Disk placed in mold, mixture placed into mold in one lift, mixture leveled, and paper disk placed on top of leveled material
- ☐ Ram pressure set at 600 Pa
- ☐ Angle of gyration set at 1.25 degree
- ☐ Rate of gyrations set at 30 gyrations per minute
- ☐ Number of gyrations is the same as required for  $N_{\text{Des}}$  from the mix design

NA - Not Applicable

X - Requires Corrective Action

√ - Satisfactory

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Acceptance Technician

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INDOT

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DateComments 

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